



1449 U.S. DEPARTMENT OF COMMERCE							ATTY. DOCKET NO. S02-161/US	SERIAL NO. 10/696592				
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)							APPLICANT Jeremy A. Johnson					
							FILING DATE 10/28/2003	GROUP 3737				
U.S. PATENT DOCUMENTS												
EXAMINER INITIAL		DOCUMENT NUMBER			DATE		NAME		RELEVANT INFORMATION			
		A	4	3	8	7	5	9	7	06/14/1983	Brandestini	
		B	4	5	5	3	4	3	7	11/19/1985	Luthra et al.	
		C	4	5	8	6	1	3	5	04/29/1986	Matsumoto	
		D	4	8	3	9	6	5	2	06/13/1989	O'Donnell et al.	
		E	5	2	6	9	3	0	7	12/14/1993	Fife et al.	
		F	5	2	7	8	7	5	7	01/11/1994	Hocter et al.	
		G	5	4	6	1	3	8	9	10/24/1995	Dean	
		H	5	4	6	5	7	2	2	11/14/1995	Fort et al.	
FOREIGN PATENT DOCUMENTS												
		2-letter code	DOCUMENT NUMBER			DATE	COUNTRY		TRANSLATION			
									YES	NO		
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)												
	K		L.F. Nock et al., "Synthetic Receive Aperture Imaging with Phase Correction for Motion and for Tissue Inhomogeneities. I: Basic Principle," IEEE Trans. Ultrason., Ferroelect., Freq. Contr., vol. 39, pp. 489-95 (1992).									
			M. Karaman, "Ultrasonic Array Imaging Based on Spatial Interpolation," 3rd IEEE International Conference on Image Processing, pp. 745-748 (1996).									
	L		O. Oralkan et al., "Capacitive Micromachined Ultrasonic Transducers: Next Generation Arrays for Acoustic Imaging?," IEEE Trans. Ultrason., Ferroelect., Freq. Contr., vol. 49, pp. 1596-1610 (2002).									
			J. A. Johnson et al., "Phased Subarray Processing for Underwater 3D Acoustic Imaging," presented at Oceans '02, MTS/IEEE (2002).									
	M		J. Johnson et al., "Synthetic Phased Array Image Formation and Restoration," ICASSP, IEEE International Conference on Acoustics, Speech and Signal Processing - Proceedings, vol. 3, pp. 2885-2888 (2002).									
			J. A. Johnson et al., "Image Formation and Restoration Using Multi-Element Synthetic Array Processing," Proceedings of SPIE The International Society for Optical Engineering, 2002.									
	N		J. A. Johnson et al., "Phased Subarray Imaging for Low-Cost, Wideband Coherent Array Imaging," Proceedings of the IEEE Ultrasonics Symposium (2003).									
			Jeremy A. Johnson et al., "Coherent Array Imaging Using Phased Subarrays -- Part I: Basic Principles," preprint (2003).									
EXAMINER							DATE CONSIDERED			8-30-06		
<p>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>												

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EXAMINER INITIAL	DOCUMENT NUMBER						DATE	NAME	RELEVANT INFORMATION
<i>JM</i>	A	5	5	2	0	1	8	6	05/28/1996
	B	5	5	7	9	7	7	0	12/03/1996
	C	5	5	8	1	5	1	7	12/12/1996
	D	5	6	1	7	8	6	2	04/08/1997
	E	5	6	2	3	9	2	8	04/29/1997
	F	5	5	6	7	3	7	3	09/16/1997
	G	5	6	7	5	5	5	0	10/07/1997
	H	5	6	7	6	1	4	7	10/14/1997
	I	5	7	8	4	3	3	6	07/21/1998
	J	5	7	9	3	7	0	1	08/11/1998
	K	5	9	4	0	1	2	3	08/17/1999
	L	5	9	5	1	4	7	9	09/14/1999
✓	M	5	9	8	0	4	5	8	11/09/1999
								Clark	

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						YES NO

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>JM</i>	N		Jeremy A. Johnson et al., "Coherent Array Imaging Using Phased Subarrays -- Part II: Simulations and Experimental Results," preprint (2003).			

EXAMINER	<i>JM</i>	DATE CONSIDERED	8-30-06
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		A	6	0 1 3 0 3 2	01/11/2000	Savord et al.		
		B	6	0 1 6 2 8 5	01/18/2000	Wright et al.		
		C	6	0 4 2 5 4 7	03/28/2000	Wright et al.		
		D	6	0 6 6 0 9 9	05/23/2000	Thomenius et al.		
		E	6	0 7 1 2 4 0	06/06/2000	Hall et al.		
		F	6	1 2 6 6 0 2	10/03/2000	Savord		
		G	6	2 0 1 9 0 0	03/13/2001	Hossack et al.		
		H	6	3 6 0 0 2 7	03/19/2002	Hossack et al.		
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